State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 5695
(File No. 70-117)
FOR
TITLE 22 RECYCLED WATER

ISSUED TO

CITY OF LOS ANGELES
(Donald C. Tillman Water Reclamation Plant)

REVISED TENTATIVE

The City of Los Angeles (City) shall implement this monitoring and reporting program on the effective date of this Order.

I. SUBMITTAL OF REPORTS

1. The City shall submit the required reports, outlined in the following paragraphs, to the California Regional Water Quality Control Board, Los Angeles Region (Regional Board), and to the California Department of Health Services, Drinking Water Field Operations, Los Angeles Region (DHS). The reports shall be received at the Regional Board and the DHS on the dates indicated as follows:

   A. **Quarterly Monitoring Reports** shall be received at the Regional Board by the 15th day of the second month following the end of each quarterly monitoring period according to Table M1. The first Quarterly Monitoring Report under this program shall be received at the Regional Board and the DHS by ~~November~~ February 15, 2005, covering the monitoring period from ~~September~~ October 1 to ~~September~~ December ~~30~~31, 2005.

Table M1 – Quarterly Report Periods and Due Dates	
Reporting Period	**Report Due**
January – March	May 15th
April – June	August 15th
July – September	November 15th
October – December	February 15th

   B. **Annual Summary Report** shall be received at the Regional Board and the DHS by March 1 of each year. The first Annual Summary Report under this program shall be received at the Regional Board and the DHS by March 1, 2006, covering the monitoring period of year 2005.

   C. **Updated Title 22 Engineering Report** shall be submitted to the Regional Board and the DHS by September 1, 2006.

2. All monitoring and annual summary reports must be addressed to the Regional Board, Attention: Information Technology Unit. Reference the reports to Compliance File No. CI-8371 to facilitate routing to the appropriate staff and file.

3. The monitoring data shall be submitted to the Regional Board and to the DHS on hard copy, and on either a 3 1/2" computer diskette or a CD-ROM disk. The Regional Board and to the DHS may request electronic submittal of data contained in a CD-ROM disk or other appropriate electronic medium at any time. The submittal data must be IBM compatible, preferably using Microsoft Excel software.

4. The Regional Board and the State Water Resources Control Board (State Board) are developing a database compliance monitoring management system that may require the City to submit the monitoring reports electronically, when it becomes operational. (Note that DHS requires groundwater monitoring to be submitted to DHS by the Electronic Data Transfer, which is available in the DHS' website at http://www.dhs.ca.gov/ps/ddwem/EDT/default.htm.) The draft regulations state: "Analytical results for chemicals shall be reported directly to the Department, as follows:

   A. Analytical results of all analyses completed in a calendar month shall be reported to the Department no later than the 15th day following the end of the second month of the designated monitoring period.

   B. Analytical results shall be reported to the DHS electronically using the Electronic Deliverable Format as defined in The Electronic Deliverable Format (EDF) Version 1.2i Guidelines & Restrictions dated April 2001 and Data Dictionary dated April 2001."

   The City should request PSCodes from the DHS so the data can be entered by the laboratories in the DHS' database.

II. MONITORING REQUIREMENTS

1. Whenever possible, quarterly monitoring shall be performed during the months of February, May, August, and November; and annual monitoring shall be conducted during the third quarter of each calendar year. However, if the ~~discharge~~ use of recycled water does not occur during that monitoring period, the City shall collect a sample during the next ~~discharge~~ reuse event. Results of quarterly and annual analyses shall be reported in the following quarterly monitoring report. If there is no ~~discharge~~ use of recycled water during the reporting period, the report shall so state. Monitoring reports shall continue to be submitted to the Regional Board, regardless of whether or not there was a ~~discharge~~ use of recycled water.

2. Monitoring shall be used to determine compliance with the requirements of this Order and shall include, but not limited to, the following:

   A. Locations of each groundwater monitoring station where representative samples can be obtained and the rationale for the selection. The City must

include a map, at a scale of 1 inch equals 1,200 feet or less, that clearly identifies the locations of all monitoring wells, and production wells.

B. Sampling protocols (specified in 40 CFR Part 136 or AWWA standards where appropriate) and chain of custody procedures.

C. For groundwater monitoring, outline the methods and procedures to be used for measuring water levels; purging wells; collecting samples; decontaminating equipment; containing, preserving, and shipping samples, and maintaining appropriate documentation. Also include the procedures for handling, storing, testing, and disposing of purge and decontamination waters generated from the sampling events.

D. Laboratory or laboratories, which conducted the analyses. Include copy or copies of laboratory certifications by the California Health Services Environmental Laboratory Accreditation Program (ELAP) every year or when the City changes their contract laboratory.

E. Analytical test methods used and the corresponding detection limits for reporting purposes (DLRs) unregulated and regulated chemicals. Please see the DHS' website at http://www.dhs.ca.gov/ps/ddwem/chemicals/unregulated/index.htm and http://www.dhs.ca.gov/ps/ddwem/chemicals/DLR/dlrindex.htm for unregulated and regulated chemicals, respectively.

F. Quality assurance and control measures.

3. The samples shall be analyzed using analytical methods described in 40 CFR Part 136; or where no methods are specified for a given pollutant, by methods approved by the DHS, Regional Board and/or State Board. The City shall select the analytical methods that provide reporting detection limits (DLRs) lower than the limits prescribed in this Order. For those constituents that have drinking water notification levels (NLs) and/or public health goals (PHGs), the DLRs shall be equal to or lower than either the NLs or the PHGs (note this is not always feasible). Every effort should be made to analyze Chemicals of Concern to the Regional Board in Attachment A-7 using the least DLR possible.

4. The City shall instruct its laboratories to establish calibration standards so that the DLRs (or its equivalent if there is a different treatment of samples relative to calibration standards) are the lowest calibration standard. At no time shall the City uses analytical data derived from extrapolation beyond the lowest point of the calibration curve.

5. Upon request by the City, the Regional Board, in consultation with the DHS and the State Board Quality Assurance Program, may establish DLRs, in any of the following situations:

REVISED TENTATIVE

A. When the pollutant has no established method under 40 CFR 136 (revised May 14,1999, or subsequent revision);

B. When the method under 40 CFR 136 for the pollutant has a RDL higher than the limit specified in this Order; or

C. When the Project Sponsors agree to use a test method that is more sensitive than those specified in 40 CFR Part 136.

6. Recycled water samples must be analyzed within allowable holding time limits as specified in 40 CFR Part 136.3. All QA/QC analyses must be run on the same dates when samples were actually analyzed. The City shall make available for inspection and/or submit the QA/QC documentation upon request by Regional Board staff. Proper chain of custody procedures must be followed and a copy of that documentation shall be submitted with the quarterly report.

7. For all bacterial analyses, sample dilutions should be performed so the range of values extends from ~~2~~ 1 to ~~160,000~~800. The detection methods used for each analysis shall be reported with the results of the analyses.

8. For unregulated chemical analyses, the City should select methods according to the following approach:

A. Use drinking water methods, if available;

B. Use DHS-recommended methods for unregulated chemicals, if available;

C. If there is no DHS-recommended drinking water method for a chemical, and more than a single EPA-approved method is available, use the most sensitive of the EPA-approved methods;

D. If there is no EPA-approved method for a chemical, and more than one method is available from the scientific literature and commercial laboratory, after consultation with DHS, use the most sensitive method;

E. If no approved method is available for a specific chemical, the City's laboratory may develop or use its own methods and should provide the analytical methods to DHS for review. Those methods may be used until DHS-recommended or EPA-approved methods are available.

F. If the only method available for a chemical is for wastewater analysis (e.g., a chemical listed as a priority pollutant only), sample and analyze for that chemical in the recycled water immediately to increase the likelihood of detection. Use this approach until the City's laboratory develops a method for the chemical in drinking water, or until a DHS-recommended or EPA-approved drinking water method is available.

REVISED TENTATIVE

G. The City is required to inform the Regional Board, in event that D, E, F is occurring.

9. For determination of compliance with the concentration-time (CT) requirement of 450 milligram-minutes per liter at all times, the City shall obtain the following information in a 24-hour period. The CT is the product of total chlorine residual and modal contact time measured at the same time.

A. Modal contact time under highest flow and corresponding chlorine residual at that time.

B. Lowest chlorine residual and corresponding modal contact time.

C. Highest chlorine residual and corresponding modal contact time.

D. Modal contact time under lowest flow and corresponding chlorine residual at that time.

CT values shall be calculated from these four sets of data and the lowest value shall be used to determine worst case CT for the period. For the purpose of this determination, modal contact time shall be derived from a predetermined plot correlating modal contact times to varying flow conditions (results of tracer studies required in Order No. R4-2005-XXXX, Section I.1.A.a.). The daily lowest CT value and the daily lowest modal contact time shall be included in the monitoring reports.

Should the City use another method to determine CT compliance, the alternative method shall first be approved by the California Department of Health Services (DHS) and the Regional Board.

III. REPORTING REQUIREMENTS

The City shall submit all reports, shown on Section I SUBMITTAL OF REPORTS to the Regional Board and the DHS by the dates indicated. All quarterly, and annual monitoring reports should contain a separate section titled "Summary of Non-Compliance", which discusses the compliance records and corrective actions taken or planned that may be needed to bring the ~~discharge~~ reuse into full compliance with water recycling requirements. This section shall clearly list all non-compliance with water recycling requirements, as well as all excursions of effluent limitations.

1. **Quarterly Reports**

A. These reports shall include, at a minimum, the following information:

a. The volume of the recycled water ~~is~~ used. If no recycled water is used during the quarter, the report shall so state.

b. The date and time of sampling and analyses.

REVISED TENTATIVE

c. All analytical results of samples collected during the monitoring period of the recycled water and groundwater.

d. Records of any operational problems, plant upset and equipment breakdowns or malfunctions, and any diversion (s) of off-specification recycled water and the location(s) of final disposal.

e. Discussion of compliance, noncompliance, or violation of requirements.

f. All corrective or preventive action(s) taken or planned with schedule of implementation, if any.

B. For the purpose of reporting compliance with numerical limitations, analytical data shall be reported using the following reporting protocols:

a. Sample results greater than or equal to the DLR must be reported "as measured" by the laboratory (i.e., the measured chemical concentration in the sample); or

b. Sample results less than the DLR, but greater than or equal to the laboratory's method detection limit (MDL), must be reported as "Detected, but Not Quantified", or DNQ. The laboratory must write the estimated chemical concentration of the sample next to DNQ as well as the words "Estimated Concentration" (may be shortened to Est. Conc.); or

c. Sample results less than the laboratory's MDL must be reported as "Not-Detected", or ND.

C. If the City samples and performs analyses (other than for process/operational control, startup, research, or equipment testing) on any sample more frequently than required in this MRP using approved analytical methods, the results of those analyses shall be included in the report. These results shall be reflected in the calculation of the average used in demonstrating compliance with average effluent, receiving water, etc., limitations.

D. The Regional Board may request supporting documentation, such as daily logs of operations.

2. **Annual Reports**

A. Tabular and graphical summaries of the monitoring data (recycled water and groundwater) obtained during the previous calendar year.

B. Discussion of the compliance record and corrective or preventive action(s) taken or planned that may be needed to bring the recycled water into full compliance with the requirements in this Order.

C. An in-depth discussion of the results of the groundwater monitoring programs conducted during the previous year includes:

a. All chloride and total dissolved solids data collected from the four monitoring wells described in Section VI, Groundwater Monitoring - The report shall also analyze the observed data in conjunction with imported potable water concentrations. The data shall be presented in both tabular form and plotted graphically. The report shall include a calculation of the 5-year running average of chloride concentration at each well, analysis of any trends, and identification of any correlations between imported water supplies, hydrologic conditions, and plant effluent. ~~The report shall include a demonstration of a mass balance to determine the portion of chloride in the groundwater.~~

b. Title 22 drinking water quality data for the nearest downgradient domestic water supply.

D. The description of any changes and anticipated changes including any impacts in operation of any unit processes or facilities shall be provided.

E. A list of the analytical methods employed for each test and associated laboratory quality assurance/quality control procedures shall be included. The report shall restate, for the record, the laboratories used by the City to monitor compliance with this Order, their status of certification, and provide a summary of performance.

F. The report shall confirm operator certification and provide a list of current operating personnel, their responsibilities, and their corresponding grade of certification.

G. The report shall also include the date of the facility' s Operation and Maintenance Management Plan, the date the plan was last reviewed, and whether the plan is complete and valid for the current facilities.

H. The groundwater monitoring portion of the annual report shall be prepared under the direction of an engineer registered in the State of California, or a certified hydrogeologist in California, and experienced in the field of recycled water practices.

3. **Updated Title 22 Engineering Report (Report)**

A. This Report should outline compliance with all specifications, requirements, and provisions of this accompanying Order as well as any new regulations pertaining to recycled water that become effective after the effective date of this Order.

REVISED TENTATIVE

B. This Report shall update all information listed in the current Title 22 Engineering Report, *San Fernando Valley Water Reclamation Project*, issued on June 1992.

~~C.This Report shall also include revised estimates, if applicable, on hydrogeologic conditions including the retention time and the amount of the recycled water in the aquifers at the end of that calendar year. The revised estimates shall be based upon actual data collected during that year on recharge rates (including recycled water and native water), hydrostatic head values, groundwater production rates, basin storage changes, and any other data needed to revise the estimates of the retention time and the amount of the recycled water in the aquifers and at the production well field. Significant differences and the reasons for such differences shall be clearly presented. Additionally, the City shall use the most recently available data to predict the retention time of recycled water in the substance.~~

~~D.~~C. This Updated Title 22 Engineering Report shall be prepared under the direction of a properly qualified engineer, or geologist registered in California and experienced in the field of hydrogeology.

4. **Work Plan of Site-Specific Attenuation Study**

Should the City elect to conduct a site-specific attenuation study, a Work Plan must be submitted to the Regional Board for Executive Officer approval at least 180 days prior to the commencement of the site-specific attenuation study.

IV. RECYCLED WATER MONITORING

The sampling station shall be established where representative samples of recycled water can be obtained. For this recycling project, recycled water samples shall be obtained from the effluent channel downstream of the chlorine contact basin. Should there be any change in the sampling station, the proposed station shall be approved by the Executive Officer prior to its use. Table M2 shall constitute the Title 22 recycled water monitoring program:

Table M2 – Title 22 Recycled Water Monitoring

Constituent	Units	Type of Sample	Minimum Frequency of Analysis
Total recycled water flow	MGD	---	Continuous[1]
Turbidity[2]	NTU	---	Continuous[1]
Total chlorine residual[3]	mg/L	---	Continuous[1]
pH	pH units	Grab[4]	Daily
Coliform[5]	MPN/100ml	Grab[4]	Daily
Settleable solids	mL/L	Grab[4]	Daily
Suspended solids	mg/L	24-hr comp.	Weekly
$BOD_5 20^oC$	mg/L	24-hr comp.	Weekly
Oil and grease	mg/L	Grab[4]	Monthly

REVISED TENTATIVE

REVISED TENTATIVE

Table M2 – Title 22 Recycled Water Monitoring			
Constituent	**Units**	**Type of Sample**	**Minimum Frequency of Analysis**
Total dissolved solids	mg/L	24-hr comp.	Monthly
Chloride	mg/L	24-hr comp.	Monthly
Boron	mg/L	24-hr comp.	Monthly
Sulfate	mg/L	24-hr comp.	Monthly
MBAS	mg/L	24-hr comp.	Monthly
Nitrate-N	mg/L	24-hr comp.	Quarterly
Nitrite-N	mg/L	24-hr comp.	Quarterly
Nitrate-N + nitrite-N	mg/L	24-hr comp.	Quarterly
~~Total organic carbon~~	~~mg/L~~	~~24-hr comp.~~	~~Quarterly~~
Inorganic[6] with primary MCL	mg/L	Grab[4]	Quarterly
General physical and minerals[7]	--	Grab[4]	Quarterly
Constituents~~te~~/parameters[8] with secondary MCL	--	Grab[4]	Quarterly
Remaining priority pollutants[9]	µg/L	24-hr comp./Grab	Quarterly
Radioactivity[10]	pCi/L	24-hr comp.	Annually
Regulated organic chemicals[11]	µg/L	24-hr comp./Grab	Annually
Disinfection byproduct[13, 14]	µg/L	24-hr comp./Grab	Every 5 years[12]
Chemicals of concern[14, 15]	µg/L	24-hr comp./Grab	Every 5 years[12]
Endocrine disrupting chemicals[14, 16]	µg/L	Grab[4]	Every 5 years[12]
Pharmaceuticals and other chemicals[14, 17]	µg/L	Grab[4]	Every 5 years[12]

Footnote:

[1]. For those constituents that are continuously monitored, the City shall report the monthly minimum and maximum, and daily average values.

[2]. Turbidity shall be continuously monitored and recorded at a point after final filtration. The average value recorded each day, the amount of time that 5 NTU is exceeded, and the incident of exceeding 10 NTU, if any, shall be reported.

[3]. Chlorine residual concentration shall be continuously monitored and recorded at a point after the final chlorine contact basins. Both the minimum and maximum values shall be reported daily.

[4]. Grab sample is an individual sample collected in a short period of time not exceeding 15 minutes. Grab samples shall be collected during normal peak loading conditions for the parameter of interest, which may or may not be during hydraulic peaks.

When an automatic composite sampler is not used, composite sampling shall be done as follows: If the duration of the discharge is equal to or less than 24 hours but greater than eight (8) hours, at least eight (8) flow-weighted samples shall be obtained during the discharge period and composited. For discharge duration of less than eight (8) hours, individual 'grab' sample may be substituted.

[5]. Samples shall be obtained subsequent to the chlorination process.

[6]. See Attachment A-1 for specific constituents to be monitored.

[7]. See Attachment A-5 for specific constituents to be monitored.

[8]. See Attachment A-6 for specific constituents to be monitored. Sampling frequency of MBAS is monthly.

[9]. See Attachment A-8 for specific constituents to be monitored. Grab samples shall be used for analyses of volatile organics and cyanide; composite samples shall be used for others.

[10]. See Attachment A-2 for specific constituents to be monitored.

[11]. See Attachment A-3 for specific constituents to be monitored. Grab samples shall be used for analyses of volatile organics and cyanide; composite samples shall be used for others.

[12]. Prior to the commencement of delivering recycled water, at least one grab sample of recycled water shall be collected and analyzed. The results for the initial recycled water quality analysis shall be submitted to the Regional Board and the DHS. After that, at least one grab sample of recycled water shall be collected and analyzed every five years,

[13]. See Attachment A-4 for specific constituents to be monitored. Grab samples shall be used for analyses of volatile organics and cyanide; composite samples shall be used for others.

[14]. There are no numeric limits for these constituents, no numeric limits are anticipated at this time, and analytical methods may not be widely available.

Monitoring for these constituents are viewed as a diligent way of assessing and verifying recycled water quality characteristics, which can be useful in addressing issues of public perception about the safety of recycled water. Further, should there be a positive finding, the Regional Board and the DHS can give the result due consideration as to whether it is of concern or not. Just what such consideration might entail would depend on the knowns and unknowns of these constituents, including its potential health effects at the given concentration, the source of the chemical, as well as possible means of better control to limit its presence, treatment strategies if necessary, and other appropriate actions.

[15]. See Attachment A-7 for specific constituents to be monitored. Grab samples shall be used for analyses of volatile organics and cyanide; composite samples shall be used for others.

[16]. Endocrine disrupting chemicals include ethinyl estradiol, 17-B estradiol, estrone, bisphenol A, nonylphenol and nonylphenol polyethoxylate, octylphenol and octylphenol polyethoxylate, and polybrominated diphenyl ethers. The analytical methods for these chemicals shall be approved by the DHS.

[17]. Pharmaceuticals and other chemicals include acetaminopen, amoxicillin, azithromycin, caffeine, carbamazepine, ciprofloxacin, ethylenediamine tetra-acetic acid (EDTA), gemfibrozil, ibuprofen, iodinated contrast media, lipitor, methadone, morphine, salicylic acid, and triclosan. The analytical methods for these chemicals shall be approved by the DHS.

V. RECYCLED WATER USE MONITORING

The City shall submit a quarterly report, in a tabular form, on the list of users serviced during the quarter, the amount of recycled water delivered to each user, and the use of the recycled water. A summary of these data shall be included in the annual report.

VI. GROUNDWATER MONITORING

1. The City shall sample the following wells in Table M3 as the groundwater-monitoring program:

Table M3 – Well Numbers and Locations	
Well No. 1	Located on Oxnard Street approximately 500 feet from the east boundary of the Sepulveda Basin.
Well No. 2	Located on Oxnard Street approximately 1500 feet from the east boundary of the Sepulveda Basin.
Well EV-03	Located on Branford St. approximately 200 feet from the South Boundary of the Hansen Golf Course.
Well EV-01	Located in the middle of the Hansen Spreading Grounds.

If any of the above cannot be sampled, the City shall propose, subject to Executive Officer approval, an alternate well that shall be sampled.

A. Well No. 1 and Well No. 2, located adjacent to the Sepulveda Basin, are proposed to be constructed. The City shall construct these new wells at the locations noted above near the Sepulveda Basin to monitor chemicals specified in Table M4. The City will complete the construction and establish chloride background concentrations within one year of beginning recycled water deliveries to the Woodley Golf Course in the Sepulveda Basin. Within 60 days from adoption of this Order, the City shall submit a work plan for construction of the two new wells for approval by the Executive Officer.

B. The City will modify the existing Well EV-03 and Well EV-01 by installing a Barcad System at the locations noted above in the Hansen Dam area. The City shall not bring online any new recycled customers in the Hansen Dam area until modifications to the above wells have been completed and background chloride concentrations have been determined. Within 60 days from adoption of this Order, the City shall submit a work plan for modification of the two existing wells for approval by the Executive Officer.

REVISED TENTATIVE

2. Table M4 shall constitute the groundwater monitoring program:

Table M4 – Groundwater Monitoring			
Constituents/parameters	**Units**	**Type of Sample**	**Minimum Frequency of Analysis**
Water level elevation	feet	---	Quarterly
Chloride	mg/L	Grab	Quarterly
Total dissolved solids	mg/L	Grab	Quarterly

3. Requirements For Chloride Assessment

Each well shall use a 5-year running average (most recent 5 years of chloride data) to track concentration changes over time. In the event that blending in groundwater is not occurring as anticipated, the following trigger is established for the assessment of chlorides in the groundwater. The trigger occurs when the 5-year running average chloride concentration for any of the above wells is higher than 50 percent of the difference between the initial average background concentration and the previous effluent limit of 100 mg/l. Upon activating the trigger, the Los Angeles Department of Water and Power shall collect 5 additional monthly samples. If all of the 5 additional tests do not exceed the trigger, then the Los Angeles Department of Water and Power may return to a normal sampling frequency. If one sample exceeds the trigger, then the additional monitoring will continue until 5 consecutive monthly samples are below the trigger. If two of any additional monthly samples exceed the trigger, then a meeting will be held between staff from the Regional Board, the Los Angeles Department of Water and Power and the Los Angeles Department of Public Works Bureau of Sanitation to assess the observed condition. This assessment will be based on the relative hydrologic conditions, imported water conditions, and other observed chloride trends to determine appropriate actions. These actions may range from additional data collection and analysis to modification of recycled water deliveries to irrigation customers.

4. The results of groundwater monitoring shall be submitted with the recycled water monitoring reports.

5. Monitoring activities associated with these major use areas will be considered representative of irrigation use of DCT effluent on the San Fernando Valley Groundwater Basin. For example, if recycled water is piped to the Los Angeles Coastal Plain Groundwater Basin for wide-spread irrigation use, then the Regional Board may require monitoring of additional wells located in that Basin.

VII. GENERAL MONITORING AND REPORTING REQUIREMENTS

1. For every item where the requirements are not met, the City shall submit a statement of the actions undertaken or proposed which will bring the recycled water into full compliance with requirements at the earliest possible time, and submit a timetable for implementation of the corrective measures.

2. Monitoring reports shall be signed by either the principal Executive Officer or ranking elected official. A duly authorized representative of the aforementioned signatories may sign documents if:

   A. The authorization is made in writing by the signatory;

   B. The authorization specifies the representative as either an individual or position having responsibility for the overall operation of the regulated facility or activity; and

   C. The written authorization is submitted to the Executive Officer of this Regional Board.

3. The monitoring report shall contain the following completed declaration:

   "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments thereto; and that, based on my inquiry of the individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

   Executed on the ___ day of _____ at _____
   _____ Signature
   _____ Title

4. The City shall retain records of all monitoring information, including all calibration and maintenance, monitoring instrumentation, and copies of all reports required by this Order, for a period of at least three (3) years from the date of sampling measurement, or report. This period may be extended by request of the Regional Board or the DHS at any time and shall be extended during the course of any unresolved litigation regarding the regulated activity.

5. Records of monitoring information shall include:

   A. The date, exact place, and time of sampling or measurements;

   B. The individual(s) who performed the sampling or measurements;

   C. The date(s) analyses were performed;

   D. The individual(s) who performed the analysis;

   E. The analytical techniques or methods used; and

   F. The results of such analyses.

REVISED TENTATIVE

6. The City shall submit to the Regional Board, together with the first monitoring report required by this Order, a list of all chemicals and proprietary additives which could affect the quality of the recycled water, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.

   An annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used in the treatment process shall be included in the annual report.

Ordered by:

Jonathan S. Bishop
Executive Officer

Date: ~~September 1~~October 6, 2005

/DTSAI/

REVISED TENTATIVE